

ALEXANDER MFG CO. -- RED OXIDE OF MERCURY -- 6135-01-275-1034

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Product Identification
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Product ID:RED OXIDE OF MERCURY

MSDS Date:01/20/1992

FSC:6135

NIIN:01-275-1034

MSDS Number: BNBCL

=== Responsible Party ===

Company Name:ALEXANDER MFG CO.

Address:1511 S. GARFIELD PL

Box:1508

City:MASON CITY

State:IA

ZIP:50401-5662

Country:US

Info Phone Num:515-423-8955

Emergency Phone Num:515-423-116

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CAGE:56469

=== Contractor Identification ===

Company Name:ALEXANDER TECHNOLOGIES INC

Address:1511 S. GARFIELD PL

Box:1508

City:MASON CITY

State:IA

ZIP:50401

Country:US

Phone:515-423-1161/8955

CAGE:56469

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Composition/Information on Ingredients
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Ingred Name:POTASSIUM HYDROXIDE (SARA III)

CAS:1310-58-3

RTECS #:TT2100000

Other REC Limits:NONE SPECIFIED

OSHA PEL:C, 2 MG/M3

ACGIH TLV:C 2 MG/M3; 9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:MERCURIC OXIDE

(SARA III)
CAS:21908-53-2
RTECS #:OW8750000
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.1 MG HG/M3;SKIN;C
ACGIH TLV:0.1 MG HG/M3; 9192

Ingred Name:ZINC (SARA III)
CAS:7440-66-6
RTECS #:ZG8600000
Other REC Limits:NONE SPECIFIED
OSHA PEL:10 MG ZNO/M3
ACGIH TLV:10 MG ZNO/M3; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:MANGANESE DIOXIDE
CAS:1313-13-9
RTECS #:OP0350000
Other REC Limits:NONE SPECIFIED
OSHA PEL:5 MG/M3 CEILING
ACGIH TLV:5 MG/M3 (AS MN DUST)

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Hazard Identification =====

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: UNDER NORMAL CONDITIONS
BATTERIES NON-HAZARDOUS. IF BATTERIES RUPTURE; VAPORS MAY CAUSE
NERVOUS SYSTEM PROBLEMS. INGESTION OF BATTERIES OR INTERNAL
MATERIALS MAY BE HARMFUL. CHRONIC: NONE SPECIFIED BY MANUFACTURER.
Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1%
OR GRE
ATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.
Effects of Overexposure:INHALATION/INGESTION: MUSCLE TREMORS, MENTAL
ABERRATIONS, POSSIBLE DEATH.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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First Aid Measures =====

First Aid:INHALATION: REMOVE TO FRESH AIR. RESUSCITATE IF NEEDED. SEE
DOCTOR. EYES: FLUSH WITH WATER FOR 15 MINUTES. SEE DOCTOR. SKIN:
WASH WITH SOAP AND WATER. INGESTED: RINSE MOUTH. GET IMMEDIA

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MEDICAL ATTENTION.

===== Fire Fighting Measures =====

Flash Point:NONFLAMMABLE

Extinguishing Media:MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR.

Unusual Fire/Explosion Hazard:BATTERIES MAY EXPLODE IN EXTREME HEAT, RELEASING MERCURY VAPOR. BATTERIES MAY SHORT CIRCUIT IN WATER.

===== Accidental Release Measures =====

Spill Release Procedures:

PLACE RUPTURED BATTERIES AND ALL CONTAMINATED MATERIAL IN STEEL DRUMS FOR DISPOSAL AT A SITE LICENSED TO DISPOSE OF MERCURY. WEAR PROPER PROTECTIVE CLOTHING.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

Handling and Storage Precautions:AVOID STORAGE/USE AT TEMPERATURES ABOVE 160F.

Other Precautions:BATTERIES WILL SHORT CIRCUIT IN WATER.

===== Exposure Controls/Personal Protection =====

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Respiratory Protection:NONE NORMALLY REQUIRED. IF NEEDED FOR SPILL RESPONSE; USE NIOSH/MSHA APPROVED RESPIRATOR WITH MERCURY VAPOR CARTRIDGE. USE IN ACCORDANCE WITH 29 CFR 1910.134.

Ventilation:USE ADEQUATE MECHANICAL VENTILATION.

Protective Gloves:RUBBER DURING SPILL RESPONSE

Eye Protection:SAFETY GLASSES DURING SPILL RESPONSE

Other Protective Equipment:APRON, CLOTHING CHANGE

Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

===== Physical/Chemical Properties =====

HCC:N1

Spec Gravity:11.14

Solubility in Water:NIL

Appearance and Odor:BATTERY WITH NO ODOR. 0.65 IN. BY 2.58 IN. 4 CELLS PER BATTERY/STEEL CASE.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

NON-FERROUS METALS AND WATER.

Stability Condition to Avoid:HEATING IN EXCESS OF 160F. CHARGING, CONTACT W

ITH WATER.

Hazardous Decomposition Products:MERCURY, ZINC OXIDE, MANGANESE

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. MFG RECOMMENDS RECYCLE THROUGH WASTE DISPOSAL SITE HAVING MERCURY RECOVERY FACILITIES.

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